09/810,861 Wo

What is claimed is:

The proof proof of the proof of	1 2	 One or more plant cells comprising a polynucleotide that encodes a human acetylcholinesterase.
	1	2. A tissue culture of regenerable cells derived from the plant cell of claim 1.
	1	3. A transgenic plant, or a part thereof, derived from the plant cell of claim 1.
	1	4. A seed derived from the plant of claim 3.
	1	5. Pollen derived from the plant of claim 3.
	1 2	6. The plant of claim 3, wherein said plant is capable of expressing a physiologically active human acetylcholinesterase in at least one tissue type of said plant.
	1	7. The plant of claim 3, or a part thereof, wherein said plant is a tomato plant.
	1 2	8. A method of making a transgenic plant that is capable of expressing a physiologically active human acetylcholinesterase, comprising the steps of:
	3 4	 a) introducing into at least one plant cell a polynucleotide that encodes a human acetylcholinesterase; and
	5 6 7	b) regenerating from said plant cell a transgenic plant that is capable of expressing said physiologically active human acetylcholinesterase in at least one tissue type of said transgenic plant.
	1 2	9. A method of making a physiologically active human acetylcholinesterase, comprising the steps of:
	3	 a) introducing into at least one plant cell a polynucleotide that encodes a human acetylcholinesterase;
	5 6 7	b) regenerating from said plant cell a transgenic plant that is capable of expressing said physiologically active human acetylcholinesterase in at least one tissue type of said transgenic plant; and
	7	in at least one tissue type of said transgenic plant; and